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SEQUENCE LISTING

<110> SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS
SCIENTIFIQUES, S.A.S.
DONG, Zheng Xin

<120> PEPTIDE YY ANALOGS

<130> 127P/PCT/US

<140> to be assigned

<141> 2005-07-15

<150> US 60/440,812

<151> 2003-01-17

<150> PCT/US2004/00892

<151> 2004-01-13

<160> 108

<170> PatentIn version 3.3

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Arg Xaa Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Tyr

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<223> C-Terminal AMIDATION

<400> 43

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
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Arg Tyr Xaa Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 44

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<223> C-Terminal AMIDATION

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Ala Ser Leu Arg Xaa Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
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<400> 45

Leu Arg Xaa Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
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<223> Xaa is 3,4,5-trifluorophenylalanine

<220>
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<223> C-Terminal AMIDATION

<400> 46

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg Xaa Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 47
<211> 13
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Leu Arg His Xaa Leu Asn Leu Val Thr Arg Gln Arg Tyr
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<400> 48

Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Xaa
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<210> 49
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<220>
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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Xaa

<210> 51
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 <223> Xaa is 1-amino-1-cyclopentanecarboxylic acid

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<400> 51

Leu Arg His Tyr Leu Asn Leu Xaa Thr Arg Gln Arg Tyr
 1 5 10

<210> 52
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 <223> Xaa is 1-amino-1-cyclohexanecarboxylic acid

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<400> 52

Ile Lys Pro Glu Ala Pro Gly Xaa Asp Ala Ser Pro Glu Glu Leu Asn
 1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Tyr

<210> 53
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<400> 53

Ile Lys Pro Glu Ala Pro Gly Glu Xaa Ala Ser Pro Glu Glu Leu Asn
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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Tyr

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<220>
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 <223> C-Terminal AMIDATION

<400> 54

Ile Lys Pro Glu Ala Pro Gly Glu Asp Xaa Ser Pro Glu Glu Leu Asn
 1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Tyr

<210> 55
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<223> C-Terminal AMIDATION

<400> 55

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Xaa Pro Glu Glu Leu Asn
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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

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<223> C-Terminal AMIDATION

<400> 56

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Xaa Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

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 <223> C-Terminal AMIDATION

<400> 57

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Xaa Leu Asn
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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Tyr

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 <222> (34)..(34)
 <223> C-Terminal AMIDATION

<400> 58

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Xaa Asn
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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Tyr

<210> 59
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<223> C-Terminal AMIDATION

<400> 59

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Xaa
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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

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<400> 60

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
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Arg Xaa Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

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<400> 61

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Arg Tyr Xaa Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

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<223> N-Terminal ACETYLATION

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<400> 62

Xaa Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
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<223> C-Terminal AMIDATION

<400> 63

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Xaa Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

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<400> 64

Xaa Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
1 5 10

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<212> PRT
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<223> C-Terminal AMIDATION

<400> 65

Ala Ser Leu Arg His Xaa Leu Asn Leu Val Thr Arg Gln Arg Tyr
1 5 10 15

<210> 66
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<223> N-Terminal ACETYLATION

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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid

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<222> (13)..(13)
<223> C-Terminal AMIDATION

<400> 66

Leu Arg His Xaa Leu Asn Leu Val Thr Arg Gln Arg Tyr
1 5 10

<210> 67
<211> 34
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid

<220>

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<222> (34)..(34)

<223> C-Terminal AMIDATION

<400> 67

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Xaa Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 68

<211> 13

<212> PRT

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<223> N-Terminal ACETYLATION

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<222> (5)..(5)

<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid

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<222> (13)..(13)

<223> C-Terminal AMIDATION

<400> 68

Leu Arg His Tyr Xaa Asn Leu Val Thr Arg Gln Arg Tyr
1 5 10

<210> 69

<211> 15

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<220>
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<222> (15)..(15)
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<400> 69

Ala Ser Leu Arg His Tyr Leu Xaa Leu Val Thr Arg Gln Arg Tyr
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<210> 70
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid

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<222> (13)..(13)
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<400> 70

Leu Arg His Tyr Leu Xaa Leu Val Thr Arg Gln Arg Tyr
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 <222> (34)..(34)
 <223> C-Terminal AMIDATION

<400> 71

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Xaa Leu Val Thr Arg Gln
 20 25 30

Arg Tyr

<210> 72
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 <212> PRT
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<220>
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 <222> (34)..(34)
 <223> C-Terminal AMIDATION

<400> 72

Xaa Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
 1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Tyr

<210> 73
 <211> 13
 <212> PRT
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid

<220>
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<222> (13)..(13)
<223> C-Terminal AMIDATION

<400> 73

Leu Arg His Tyr Leu Asn Xaa Val Thr Arg Gln Arg Tyr
1 5 10

<210> 74
<211> 34
<212> PRT
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid

<220>
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<222> (34)..(34)
<223> C-Terminal AMIDATION

<400> 74

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Xaa Thr Arg Gln
20 25 30

Arg Tyr

<210> 75
<211> 15
<212> PRT
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<222> (11)..(11)

<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid

<220>

<221> MOD_RES

<222> (15)..(15)

<223> C-Terminal AMIDATION

<400> 75

Ala Ser Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln Arg Tyr
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<210> 76

<211> 13

<212> PRT

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<223> N-Terminal ACETYLTATION

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<222> (9)..(9)

<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid

<220>

<221> MOD_RES

<222> (13)..(13)

<223> C-Terminal AMIDATION

<400> 76

Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln Arg Tyr
1 5 10

<210> 77

<211> 34

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<220>
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 <222> (34)..(34)
 <223> C-Terminal AMIDATION

<400> 77

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
 1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln
 20 25 30

Arg Tyr

<210> 78
 <211> 34
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 <223> Xaa is 1-amino-1-cyclohexanecarboxylic acid

<220>
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 <222> (34)..(34)
 <223> C-Terminal AMIDATION

<400> 78

Ile Lys Pro Xaa Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
 1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Tyr

<210> 79
 <211> 34
 <212> PRT
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<220>
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<222> (34)..(34)
<223> C-Terminal AMIDATION

<400> 79

Ile Lys Pro Glu Xaa Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 80
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<222> (34)..(34)
<223> C-Terminal AMIDATION

<400> 80

Ile Lys Pro Glu Ala Pro Xaa Glu Asp Ala Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 81
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<223> Xaa is 4-amino-4-carboxytetrahydropyran

<220>
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<222> (34)..(34)
<223> C-Terminal AMIDATION

<400> 81

Ile Lys Pro Glu Ala Pro Gly Glu Asp Xaa Ser Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 82
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<212> PRT
<213> Artificial Sequence

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<223> Xaa is 4-amino-4-carboxytetrahydropyran

<220>
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<222> (34)..(34)
<223> C-Terminal AMIDATION

<400> 82

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Xaa Pro Glu Glu Leu Asn
1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 83
 <211> 15
 <212> PRT
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 <223> Xaa is 4-amino-4-carboxytetrahydropyran

<220>
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 <222> (15)..(15)
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<400> 83

Ala Xaa Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
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<210> 84
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 <212> PRT
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 <223> Xaa is 4-amino-4-carboxytetrahydropyran

<220>
 <221> MOD_RES
 <222> (34)..(34)
 <223> C-Terminal AMIDATION

<400> 84

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
 1 5 10 15

Arg Tyr Tyr Ala Xaa Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Tyr

<210> 85
 <211> 15
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<400> 85

Ala Ser Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln Arg Tyr
 1 5 10 15

<210> 86
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<400> 86

Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln Arg Tyr
 1 5 10

<210> 87
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<212> PRT
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<223> Xaa is 4-amino-4-carboxytetrahydropyran

<220>
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<400> 87

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln
20 25 30

Arg Tyr

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<400> 88

Ile Lys Pro Glu Xaa Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

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<400> 89

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<400> 90

Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
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Xaa Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Tyr

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Ala Ser Leu Xaa His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
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<210> 92
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<400> 92

Leu Xaa His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
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<400> 93

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20 25 30

Arg Tyr

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Arg Tyr Tyr Ala Ser Leu Arg Xaa Tyr Leu Asn Leu Val Thr Arg Gln
20 25 30

Arg Tyr

<210> 97
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<212> PRT
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<210> 98
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Leu Arg His Tyr Leu Asn Leu Val Thr Xaa Gln Arg Tyr
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<400> 99

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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Xaa Gln
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Arg Tyr

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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Xaa
20 25 30

Arg Tyr

<210> 103
<211> 15
<212> PRT
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1          5          10          15

<210> 104
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<210> 105
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Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Xaa
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<400> 106

Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Xaa
 1 5 10

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<400> 107

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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Xaa

<210> 108
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<400> 108

Ile Xaa Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
 1 5 10 15

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 20 25 30

Arg Tyr